

June 6, 2016

NMOCD

BP requests to permanently plug and abandon the **Lobato GC D #1** well as per the attached proposed procedure and wellbore schematics

PLUG AND ABANDONMENT PROCEDURE

Blanco Pictured Cliffs

1190' FNL and 790' FWL, Section 3, T29N, R9W
San Juan County, New Mexico / API 30-045-13083
Lat: N _____ / Lat: W _____

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
2. Rods: Yes , No , Unknown .
Tubing: Yes , No , Unknown , Size 2-3/8" , Length 2182' .
Packer: Yes , No , Unknown , Type Baker Model "D" .

If this well has rods or a packer, then modify the work sequence in step #2 as appropriate. Round trip 4.5" gauge ring to 2192' or as deep as possible.

3. **NOTE: BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or where a T.S. or CBL log was not previously run. This procedure is prepared with the understanding that it may be modified based on the TOC from the CBL.**
4. **Plug #1 (Pictured Cliffs interval and Fruitland top, 2193' – 1858')**: RIH and set 4.5" CR at 2193'. Circulate well clean. Pressure test tubing to 1000#. Pressure test casing to 800#. If casing does not test then spot or tag subsequent plugs as appropriate. Mix 30 sxs Class B cement inside casing from 2193' to cover the PC interval and Fruitland top. TOH.
5. **Plug #2 (Kirtland and Ojo Alamo tops, 1290' – 1070')**: Perforate 3 squeeze holes at 1290'. RIH and set 4.5" cement retainer at 1240'. Sting into CR and attempt to establish a rate. Mix and pump 106 sxs Class B cement, squeeze 85 sxs outside 4.5" casing and leave 21 sxs inside casing to isolate the Kirtland and Ojo Alamo tops. TOH.
6. **Plug #3 (8.625" casing shoe, 247' – 0')**: Perforate 3 squeeze holes at 247'. Attempt to establish a rate. RIH with tubing to 247'. Mix and pump 100 sxs Class B cement from 247' to surface; squeeze 21 sxs outside annulus to surface to 100'. TOH and LD tubing. Circulate good cement. SI well and WOC.
7. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Lobato GC D #1

Proposed P&A

Blanco Pictured Cliffs
 1190' FNL, 790' FWL, Section 3, T-29-N, R-9-W
 San Juan County, NM, API #30-045-13083

Today's Date: 6/6/16
 Spud: 12/7/61
 Completed: 12/11/61
 Elevation: 5603' GI
 5615' KB

